

WHAT IS CLAIMED IS:

1. An electric actuator system comprising:

an electric motor having an output shaft;

a rotation angle determination means that detects a rotation angle of the output shaft based on a pulse signal produced by a pulse generator according to a rotation angle of the electric motor;

a motor control means that controls an operation of the electric motor based on the rotation angle determined by the rotation angle determination means;

a reset means that turns off the motor control means when a voltage applied to the motor control means becomes lower than a predetermined level, and turns on the motor control means when the voltage becomes higher than the predetermined level;

a motor driving means that supplies driving current to the electric motor based on a control signal from the motor control means;

a motor stopping means that stops the electric motor via electric braking based on the control signal from the motor control means within a time that pulses counted after the motor control means is turned off is less than a predetermined number; and

a motor stopping means driving means that drives the motor stopping means when the motor control means is turned off by the reset means.

2. The actuator system according to claim 1, further comprising a memory data revising means that revises memory data on a rotation angle based on a pulse signal at a time when the motor control means is turned on by the reset means.

3. The actuator system according to claim 2, wherein the motor stopping means is activated based on a control signal from the motor control means for a predetermined period after the motor control means is turned on.

4. The actuator system according to claim 1, wherein:

the motor control means controls the motor stopping means by outputting high level and low level signals to two signal lines that are connected to the motor stopping means;

the motor stopping means is activated when the signals at both signal lines are high levels; and

the motor stopping means driving means outputs the high level signal to each signal line.

5. The actuator system according to claim 1, wherein:

a plurality of connectors and actuators are provided
the electric motor, the pulse generator, the rotation angle determination means, the motor driving means, and the motor stopping means are integrated as a connector and a actuator;

the motor control means, the reset means, and the motor stopping means driving means are integrated in an electric

control means; and

the electric control means is connected with the connectors via wire harnesses for multiplex communication.